J. E. R. 5



RECEIVED Page 1 of 7

AUG 2 8 2001 OIPE

TECH CENTER 1600/2900

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/534,995

DATE: 07/24/2001 TIME: 10:56:15

Input Set : A:\021314310.txt

| 3 | <110> | APPLI KOIKE | | | знім | JRA, | SAT | ORU | | | | | | | | IEH |
|----------|-------------------------|----------------------|-------|----------------|--------|------------|-----------|-------|-----------|------------|------------|-----------|-------------|-----------|--------|-----|
| 6 8 | <120> <130> <140> | TITLE FILE | OF I | ENVEN RENCE | E: 02 | 213-3 | 1431- | -0 | | | | GENE | Ε | | | 6- |
| C> 11 | | | | | | | | | | ., , , , , | , | | | | | 1 |
| 13 | <150> | PRIOR | APPI | LICAT | rion | NUM | BER: | JP 2 | 27327 | 75/19 | 999 | | | | | |
| | <151> | | | | | | | 9-27 | | | | | | | | |
| | <160> | | | | | | | - o - | 1 | | | | | | | |
| | <170> <210> | | | | SUCTI | ı ve | rsioi | 1 3 | L | | | | | | | |
| | <211> | _ | | | | | | | | | | | | | | |
| | <212> | | | | | | | | | | | | | | | |
| 23 | <213> | ORGAN | ISM: | Cher | nopod | dium | albı | ım | | | | | | | | |
| | <220> | | | | | | | | | | , | 4 | | | | |
| | <221> <222> | | | | 2.1 | /1/2 | 7 \ | | | | | *** | | | | |
| | <223> | | | | | | ′) | | | | | | | | | |
| | <400> | | | | | = | | | | | | | | | | |
| | gaacta | | | | ca a | gctta | aagct | t ata | attgt | ttga | tcat | cttt | ca 1 | tacta | acttcc | 60 |
| | tttaaa | | | | | | | _ | - | | | | | | | 120 |
| | acatca | | | _ | _ | _ | | | - | | | - | | | | 170 |
| 37 38 | | ме [.] 1 | C Ala | a Ale | a sei | г Ала 5 | a ini | r Ini | т мет | тет | тьеч 10 | ту | s ry | C PEC | o Thr | |
| | act g | _ | aat | ata | cca | • | tca | t.ca | tca | aac | | αat | act | tca | aat | 218 |
| | Thr Va | | | | | | | | | | | | | | | |
| 42 | 15 | | | | 20 | • | | | | 25 | | | | | 30 | |
| | aat at | | | | | | | | | | | | | | | 266 |
| 45 46 | Asn I | le val | Pro | 11e 35 | Pro | GIn | Inr | Ser | Thr 40 | Asn | Asn | Pro | vaı | Leu 45 | ьуs | |
| | ttt c | rt acc | aat | | aaa | acc | att | aac | | atic | act | acc | cca | | ttt | 314 |
| | Phe A | | | | | | | | | | | | | | | |
| 50 | | - | 50 | | - - | | | 55 | | | | | 60 | | | |
| | cct to | | | | | | | | | | | | | | | 362 |
| | Pro Se | er Leu 65 | Asn | Thr | Thr | Thr | Thr 70 | Pro | Pro | Ser | lle | G1n 75 | Ser | Leu | Val | |
| 54 56 | cag ga | | gat | cca | aad | att | . • | act | aad | aat | act | | aca | cct | cct | 410 |
| | Gln G | | | | | | | | | | | | | | | 110 |
| 58 | 80 | | 1 | | | 85 | | | 4 | - | 90 | | | | | |
| 60 | agc to | ct tgg | tat | act | gac | gct | gct | ttc | tat | gct | cat | gaa | ctt | gac | cgt | 458 |
| | Ser Se | er Trp | Tyr | Thr | | Ala | Ala | Phe | Tyr | | His | Glu | Leu | Asp | | |
| | 95 | | | ~~~ | 100 | | ~+ ~ | 000 | ~~~ | 105 | 20+ | ~a+ | a aa | a++ | 110 | 506 |
| | atc to | | | | | | | | | | | | | | | 506 |
| 66 | | c ryr | цуз | 115 | 112 | 31.1 | *** | ~ 1 0 | 120 | - 1 - | 201 | | | 125 | -10 | |
| | gag c | ct aac | caa | tat | ttc | acc | gga | acg | tta | gga. | aat | gtt | gaa | tat | ttg | 554 |
| | Glu P | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/534,995

DATE: 07/24/2001 TIME: 10:56:15

Input Set : A:\021314310.txt

| 70 | | | | 130 | | | | | 135 | | | | | 140 | | | | |
|-----|-------|--------|-------|----------|-------|------------|------|--------------|-------|------------|-------|--------|----------------|-------|-------|-----|---|-------|
| | ata | tat | cga | | aat | gaa | qqa | aaa | | cat | qca | ttt | cac | | att | tac | | 602 |
| | | | | | | Ğlu | | | | | | | | | | | | |
| 74 | | _ | 145 | _ | - | | _ | 150 | | | | | 155 | | | _ | | |
| | | | | | | att | | | | | | | | | | | | 650 |
| 77 | Thr | His | Arg | Ala | Ser | Ile | Leu | Ala | Cys | Gly | Ser | Gly | Lys | Lys | Ser | Cys | | |
| 78 | | 160 | | | | | 165 | | | | | 170 | | | | | | |
| | | | | | | cat | | | | | | | | | | | | 698 |
| | | Val | Cys | Pro | Tyr | His | GLy | Trp | Val | Phe | - | Met | Asn | GLY | Ser | | | |
| - | 175 | | | . | | 180 | | | ~~~ | ~ ~ ~ | 185 | | ~~+ | | ~~+ | 190 | | 716 |
| | | | | | | gca Ala | | | | | | | | | | | | 746 |
| 86 | 1111 | гуу | Ата | ser | 195 | Ата | 1111 | GIU | GIU | 200 | Ser | neu | АЗР | FIO. | 205 | GIU | • | |
| | ctt | aaa | ctt | ata | | ctg | aaa | at t | aca | | taa | aac | cca | +++ | | ctc | | 794 |
| | | | | | | Leu | | | | | | | | | | | | , , , |
| 90 | 100 | 011 | 200 | 210 | | 200 | | | 215 | | | 0-1 | | 220 | | | | |
| 92 | ata | agt | ttg | | aga | tca | agc | ctt | gaa | gta | ggt | gat | gtt | gga | tct | gaa | | 842 |
| | | | | | | Ser | | | | | | | | | | | | |
| 94 | | | 225 | - | _ | | | 230 | | | _ | _ | 235 | | | | | |
| 96 | tgg | ctt | ggt | agt | tgt | gct | gaa | gat | gtt | aag | gcc | cat | gct | ttt | gac | cct | | 890 |
| 97 | Trp | Leu | Gly | Ser | Cys | Ala | Glu | Asp | Val | Lys | Ala | His | Ala | Phe | Asp | Pro | | |
| 98 | | 240 | | | | | 245 | | | | | 250 | | | | | | |
| | | | | | | | | | | | | | | | | tgg | | 938 |
| | | | ı Glr | n Phe | e Ile | | | Ser | : Glı | ı Phe | | | : Glu | ı Sei | : Asr | Trp | | |
| | 2 255 | | | | | 260 | | | | | 265 | | | | | 270 | | 006 |
| | | | | | | aac | | | | | | | | | | | | 986 |
| | _ | 5 116 | e Pne | e Ser | | | Tyr | тег | ı Ası | 280 280 | | ту | r Hls | s va. | 285 | Tyr | | |
| 106 | | | | · + - c | 275 | o : gct | act | α 3 5 | o ct | | | - mat | - act | - ta | | | | 1034 |
| | | | | | | Ala | | | | | | | | | | | | 1004 |
| 110 | | A 111. | , шy. | 290 | | | 1111 | 01,0 | 295 | | , | - 1101 | 7 1111 | 300 | | | | |
| | | ato | ato | | | ato | acq | att | . caa | a aga | a ata | a aca | a aac | a aqt | tca | aac | | 1082 |
| | | | | | | | | | | | | | | | | Asn | | |
| 114 | 1 | | 305 | 5 | | | | 310 |) | | = | | 315 | 5 | | | | |
| | | | | | | | | | | | | | | | | tac | | 1130 |
| 117 | 7 Asr | _ | | e Asr | ı Arç | j Leu | _ | | Glr | n Ala | a Phe | э Туз | c Ala | a Phe | e Ala | Tyr | | |
| 118 | | 320 | | | | | 325 | | | | | 330 | | | | | | |
| | | | | | | | | | | | | | | | | cac | | 1178 |
| | | | n Phe | e Ala | ı Val | Glu | _ | Туг | : GI | y Pro | _ | | Thr | r Thi | . Met | | | |
| | 335 | | | | | 340 | | | | ~ ~ ~ . | 345 | | - - | | . + | 350 | | 1226 |
| | | | | | | | | | | | | | | | | tac | | 1226 |
| 123 | | е те | 1 PIC | э тег | 355 | / Pro | Arg | гу | у Суз | ыу: 36(| | ı va. | L Val | L AS | 365 | | | |
| | | - as- | יכב נ | a tos | | , g ctg | a=a | a a c | . 220 | | | ato | ר מאר | T 220 | | | | 1274 |
| | | | | | | Leu | | | | | | | | | | | | 12/1 |
| 130 | | . UI(| יעיי | 370 | | | | 1.01 | 375 | | | | | 380 | | | | |
| | | a ato | c aat | | | gta | cad | aaa | - | | at at | g ato | ı tto | | | agt | | 1322 |
| | | | | | | | | | | | | | | | | Ser | | |
| 134 | | | 385 | _ | | | | 390 | | • | | | 395 | | | | | |
| | | | | | | | | | | | | | | | | | | |

RAW SEQUENCE LISTING DATE: 07/24/2001 PATENT APPLICATION: US/09/534,995 TIME: 10:56:16

Input Set : A:\021314310.txt

| | | | | | | | | | | | | | | | tat | | 1370 |
|------------|---|------------|-------|-------|------|-------|------------|-------|-------|--------|----------|-------|-------|-------|---------|------------------|--------------|
| 137 138 | Val | GIn 400 | Lys | GLy | Leu | Glu | Thr 405 | Pro | Ala | Tyr | Arg | Ser | GLy | Arg | Tyr | Val | |
| | atq | | att | qaq | aaa | gga | | cat | cat | ttc | cac | | tgg | ttg | cac | caa | 1418 |
| | | | | | | | | | | | | | | | His | | |
| 142 | | | | | | 420 | | | | | 425 | | | | | 430 | . ' |
| 144 | - | _ | _ | tgat | tgc | agc a | agat | catc | ag at | tgtt | cgtt. | t ct | tctt | gtat | | | 1467 |
| 145 | | | - | | | | | | | | | | | | | | 1505 |
| | | | | | | | | | | | | | | | | gattgt | 1527 1587 |
| | | | | | | | | | | | | | | | | tctttg tccaat | 1647 |
| | _ | | - | | - | - | | - | - | | | | | _ | _ | tatttt | 1707 |
| | | | | | | | | | | | | | | | | | 1767 |
| | 156 cgggggatct atgagataga ttgtctatga acattatttt tcgactcgtg tatggtattc 158 atcccttgtg tagggtgaag taaacattga gtgtatgaag ttttcattga gtttctgctt | | | | | | | | | | | | | | 1827 | | |
| 160 t | | | | | | | | | | | | | 1828 | | | | |
| 163 | <210 |)> SI | EQ II | ON C | 2 | | | | | | | | | | | | |
| 164 | <211 | l> Li | ENGTI | H: 40 | 33 | | | | | | | | | | | | |
| 165 | <212 | 2> T | YPE: | PRT | | | • | | | | | | | | | • | |
| 166 | <213 | 3> OI | RGAN: | ISM: | Chei | nopod | dium | albı | ım | | | | | | | * | |
| 168 | | | | | | | | | | | | | | | | | |
| | | Ala | Ala | Ser | | Thr | Thr | Met | Leu | | Lys | Tyr | Pro | Thr | Thr. | Val | |
| 171 | | ~ 1 | ~ 7 | _ | 5 | | ~ | ~ | | 10. | . | m) | 0 | 70 | 15 | T 3 | |
| | Cys | GLY | ıте | | Asn | Ser | Ser | Ser | | Asn | Asp | Thr | Ser | | Asn | TTE | |
| 175 | 17-1 | D | тіс | 20 | C1 ~ | mb so | C | mb | 25 | 7) a m | Dwo | Wa I | T 011 | 30 | Phe | 7\ ~~ ~~ | |
| 179 | vaı | ЬГÒ | 35 | PIO | GIII | 1111 | ser | 40 | ASII | ASII | PLO | val | 45 | гуѕ | File | Arg | |
| | Thr | Pro | | Lvs | Thr | Tle | Asn | | Val | Δla | Ala | Pro | | Phe | Pro | Ser | |
| 183 | 1111 | 50 | 11011 | כעם | **** | 110 | 55 | 7114 | *41 | | | 60 | 1124 | 1110 | 110 | 001 | |
| | Leu | | Thr | Thr | Thr | Thr | | Pro | Ser | Ile | Gln | Ser | Leu | Val | Gln | Glu | |
| 187 | | | | | | 70 | | | | | 75 | | | | | 80 | |
| 190 | Phe | Asp | Pro | Lys | Ile | Pro | Ala | Lys | Asp | Ala | Leu | Thr | Pro | Pro | Ser | Ser | |
| 191 | | | | | 85 | | | | | 90 | | | | | 95 | | |
| | Trp | Tyr | Thr | _ | Ala | Ala | Phe | Tyr | | His | Glu | Leu | Asp | _ | Ile | Phe | |
| 195 | | | | 100 | ~ ~ | | _ | | 105 | _ | _ | ~ 3 | - 1 | 110 | | _ | |
| 198 | Tyr | Lys | - | Trp | Gln | Val | Pro | | Tyr | Ser | Asp | GIn | | Lys | Glu | Pro | |
| 199 | 7 | C1 ~ | 115 | Dho | mb ~ | C1 | mh w | 120 | | 7 0 0 | W-1 | C1 | 125 | Tou | 17-1 | Cva | |
| 202 | ASI | 130 | Tyr | Pne | Inr | СТУ | 135 | ьeu | СТУ | ASII | vaı | 140 | туг | ьeu | Val | Cys | |
| | Δrα | | Glv | Glu | Glv | T.vs | | His | Δla | Phe | His | | Val | Cvs | Thr | His | |
| 207 | _ | АЗР | Оту | OLU | Сту | 150 | Val | 1110 | mu | Line | 155 | 11311 | VUL | СуБ | 1111 | 160 | |
| | | Ala | Ser | Ile | Leu | | Cvs | Glv | Ser | Glv | | Lvs | Ser | Cvs | Phe | | |
| 211 | 5 | | | | 165 | | - 1 - | 1 | | 170 | _1 = | -1- | | - 1 - | 175 | • | |
| | Cys | Pro | Tyr | His | | Trp | Val | Phe | Gly | | Asn | Gly | Ser | Leu | Thr | Lys | |
| 215 | _ | | | 180 | • | | | | 185 | | | | · | 190 | | • | |
| 218 | Ala | Ser | Lys | Ala | Thr | Glu | Glu | | Ser | Leu | Asp | Pro | Asp | Glu | Leu | Gly | |
| 219 | | | 195 | | | | | 200 | | | | | 205 | | | _ | |
| | Leu | | Pro | Leu | Lys | Val | | Val | Trp | Gly | Pro | | Ile | Leu | Ile | Ser | |
| 223 | _ | 210 | _ | ~ | _ | - | 215 | 17. 7 | G1. | 70 | 17 - 3 | 220 | 0 | C1. | | т | |
| 226 | Leu | Asp | Arg | Ser | Ser | Leu | GLu | val | GTA | Asp | val | GTA | Ser | GLu | Trp | ьeu | |

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/534,995

DATE: 07/24/2001 TIME: 10:56:16

Input Set : A:\021314310.txt

| 227 | 225 | | | | | 230 | | | | | 235 | | | | | 240 | |
|-----|----------------------|-------|-------|------|-------|-------|-------|-------|-------|------|------|------|-------|-------|-------|--------|-----|
| | | Ser | Cys | Ala | Glu | Asp | Val | Lys | Ala | His | Ala | Phe | Asp | Pro | Asn | Leu | |
| 231 | - | | - | | 245 | • | | • | | 250 | | | - | | 255 | | |
| 234 | Gln | Phe | Ile | Asn | Arg | Ser | Glu | Phe | Pro | Met | Glu | Ser | Asn | Trp | Lys | Ile | |
| 235 | | | | 260 | _ | | | | 265 | | | | | 270 | _ | | |
| | Phe | Ser | Asp | Asn | Tyr | Leu | Asp | Ser | Ser | Tyr | His | Val | Pro | Tyr | Ala | His | |
| 239 | | | 275 | | - | | - | 280 | | - | | | 285 | - | | | |
| 242 | Lys | Tyr | Tyr | Ala | Thr | Glu | Leu | Asp | Phe | Asp | Thr | Tyr | Gln | Thr | Asp | Met | |
| 243 | - | 290 | • | | | | 295 | • | | ~ | | 300 | | | - | | |
| 246 | Ile | Gly | Asn | Val | Thr | Ile | Gln | Arg | Val | Ala | Gly | Ser | Ser | Asn | Asn | Gly | |
| | 305 | - | | | | 310 | | | | | 315 | | | | | 320 | |
| 250 | Phe | Asn | Arg | Leu | Gly | Ser | Gln | Ala | Phe | Tyr | Ala | Phe | Ala | Tyr | Pro | Asn | |
| 251 | | | - | | 325 | | | | | 330 | | | | _ | 335 | | |
| 254 | Phe | Ala | Val | Glu | Arg | Tyr | Gly | Pro | Trp | Met | Thr | Thr | Met | His | Ile | Leu | |
| 255 | | | | 340 | _ | - | - | | 345 | | | | | 350 | | | |
| | Pro | Leu | Gly | Pro | Arg | Lys | Cys | Lys | Leu | Val | Val | Asp | Tyr | Tyr | Ile | Glu | |
| 259 | | | 355 | | • | - | - | 360 | | | | - | 365 | - | | | |
| 262 | Lys | Ser | Lys | Leu | Asp | Asp | Lys | Asp | Tyr | Ile | Glu | Lys | Gly | Ile | Ala | Ile | |
| 263 | - | 370 | - | | - | - | 375 | - | - | | | 380 | - | | | | |
| | Asn | Asp | Asn | Val | Gln | Lys | Glu | Asp | Val | Val | Leu | Cys | Glu | Ser | Val | Gln | |
| | 385 | • | | | | 390 | | - | | | 395 | - | | | | 400 | |
| 270 | Lys | Gly | Leu | Glu | Thr | Pro | Ala | Tyr | Arg | Ser | Gly | Arg | Tyr | Val | Met | Pro | |
| 271 | - | | | | 405 | | | _ | _ | 410 | - | _ | - | | 415 | | |
| | Ile | Glu | Lys | Gly | Ile | His | His | Phe | His | Cys | Trp | Leu | His | Gln | Val | Leu | |
| 275 | | | - | 420 | | | | | 425 | | - | • | | 430 | | | |
| 278 | 8 Lys | | | | | | | | | | | | | | | | |
| | 2 <210> SEQ ID NO: 3 | | | | | | | | | | | | | | | | |
| 283 | 3 <211> LENGTH: 1651 | | | | | | | | | | | | | | | | |
| 284 | <212 | 2> TY | PE: | DNA | | | | | | | | | | | | | |
| 285 | <213 | 3> OF | RGAN] | SM: | Cher | nopod | dium | albı | ım | | • | | | | | | |
| 287 | <220 |)> FE | EATUF | RE: | | - | | | | | | | | | | | |
| 288 | <221 | > NA | AME/F | ŒΥ: | CDS | | | | | | | | | | | | |
| 289 | <222 | 2> LC | CAT | ON: | (119 | 9) | (1423 | 3) | • | | | | | | | | |
| 290 | <223 | 3> 07 | THER | INFO | ORMAT | CION: | | | | | | | | | | | |
| 293 | < 400 |)> SE | EQUEN | ICE: | 3 | | | | | | | | | | | | • |
| 294 | ctt | gaatt | at a | caaq | gctaa | ag ta | atata | atatt | gtt: | gato | catc | ttt | catao | cca d | ccttt | caaaaa | 60 |
| 296 | aaat | tata | aac a | acaa | aaag | ga aç | gtgtt | tagt | : tat | tgct | tga | tcat | cata | ata a | atato | caac | 118 |
| 298 | | | | | | | | | | | | | | | | | 166 |
| 299 | Met | Ser | Ala | Ser | Ala | Thr | Thr | Met | Leu | Leu | Lys | Tyr | Pro | Thr | Thr | Val | |
| 300 | 1 | | | | 5 | | | | | 10 | • | | | | 15 | | |
| 302 | tgt | ggt | ata | cca | aat | tca | tca | tca | aac | aat | gat | act | tca | aat | aac | atc | 214 |
| 303 | Cys | Gly | Ile | Pro | Asn | Ser | Ser | Ser | Asn | Asn | Asp | Thr | Ser | Asn | Asn | Ile | |
| 304 | | | | 20 | | | | | 25 | | | | | 30 | | | |
| 306 | gtc | cca | att | cca | caa | act | agt | act | aat | aat | ccg | gta | ctt | aag | ttt | cgt | 262 |
| | | | | | | | | | | | | | Leu | | | | |
| 308 | | | 35 | | | | | ·40 | | | | | 45 | | | | |
| 310 | acc | cct | aat | aaa | acc | att | aac | gcc | gtc | gct | gcc | ccg | gct | ttt | cct | tct | 310 |
| 311 | Thr | Pro | Asn | Lys | Thr | Ile | Asn | Ala | Val | Ala | Ala | Pro | Ala | Phe | Pro | Ser | |
| 312 | | 50 | | | | | 55 | | | | | 60 | | | | | |
| | | | | | | | | | | | | | | | | | |

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/534,995

DATE: 07/24/2001 TIME: 10:56:16

Input Set : A:\021314310.txt

Output Set: N:\CRF3\07242001\I534995.raw

| 315 | tta Leu | _ | | | | Thr | _ | _ | _ | | Gln | | | _ | _ | Glu | 358 |
|------|------------|--------------|-------|-----|------|------|-----|-------|-------|-----|------|-------|--------------|-----|------|-----|------|
| 316 | | | | | | 70 | | | | | 75 | | | | | 80 | |
| | ttc Phe | | | | | | | | | | | | | | | | 406 |
| | tgg | + - + | + | ~ | | ~~~ | ++~ | + - + | a a t | | ~~~ | a++ | ~ ~ ~ | aa+ | | +++ | 454 |
| | Trp | | | | | | | | | | | | | | | | 434 |
| | tac | 222 | ~~~ | | 022 | atic | ~~~ | aaa | | 200 | ast. | C 2 2 | s'++ | | aza | cct | 502 |
| | Tyr | | | | | | | | | | | | | | | | 302 |
| 328 | _ | | 115 | - | | • | | 120 | | | | • | 125 | | | | 550 |
| | aac | | | | | | | | | | | | | | | | 550 |
| 332 | Asn | 130 | _ | • | | | 135 | | _ | | | 140 | | | | | |
| 334 | cga | gat | ggt | gaa | gga | aaa | gtt | cat | gca | ttt | cac | aat | gtt | tgc | act | cat | 598 |
| 335 | Arg | Asp | Gly | Glu | Gly | Lys | Val | His | Ala | Phe | His | Asn | Val | Cys | Thr | His | |
| 336 | 145 | | | | | 150 | | | | | 155 | | | | | 160 | |
| 338 | cgt | act | tcq | att | ctt | gct | tqt | gga | agt | ggc | aaa | aaa | tcg | tgt | ttc | gta | 646 |
| | Arg | | | | | | | | | | | | | | | | |
| .340 | | | | | 165 | | - | - | | 170 | - | - | | - | 175 | | |
| | tgc | cct | tac | cat | aat | taa | qta | ttt | ggc | atq | aat | qqa | tca | ctt | acq | aaa | 694 |
| | Cys | | | | | | | | | | | | | | | | |
| 344 | 2 | | - | 180 | _ | - | | | 185 | | | - | | 190 | | - | |
| | gct | tcc | aaa | qca | acc | qaa | gaa | cag | tcc | ctt | gat | ccc | gat | gaa | ctt | ggg | 742 |
| | Āla | | | | | | | | | | | | | | | | |
| 348 | | | 195 | | | | | 200 | | | _ | | 205 | | | | ٠ |
| 350 | ctt | qta | ccc | ctg | aaa | gtt | gca | gta | tgg | ggc | cca | ttt | ata | ctc | atc | agt | 790 |
| | Leu | | | | | | | | | | | | | | | | |
| 352 | | 210 | | | - | | 215 | | - | - | | 220 | | | | | |
| | tťg | gac | aga | tca | agc | ctt | gaa | gta | ggc | gat | qtt | gga | tct | gaa | tgg | ctt | 838 |
| | Leu | | | | | | | | | | | | | | | | |
| | 225 | - | , | | | 230 | | | - | - | 235 | _ | | | • | 240 | - |
| 358 | ggt | agt | tat | act | gaa | gat | att | aaq | qcc | cat | gct | ttt | qac | cct | aat | ttq | 886 |
| | ĞÎy | | | | | | | | | | | | | | | | |
| 360 | _ | | - | | 245 | • | | - | | 250 | | | - | | 255 | | |
| | cag | ttc | atc | aat | agg | agt | gaa | ttt | cca | atq | gaa | tct | aat | taa | | att | 934 |
| | Gln | | | | | _ | _ | | | _ | _ | | | | | | |
| 364 | | | | 260 | , | | | | 265 | | | | | 270 | - | | |
| | ttc | agt | qac | aac | tac | ttq | gat | agc | | tac | cat | gtt | cct | tat | gca | cac | 982 |
| | Phe | | | | | | | | | | | | | | | | |
| 368 | | | 275 | | | | | 280 | | - | | | 285 | - | | | |
| | aag | tac | | αса | act | gaa | ctc | | ttt | gat | act | tat | caa | acc | σat | atq | 1030 |
| | Lys | | | | | | | | | | | | | | | | |
| 372 | _ | 290 | - 1 - | | | | 295 | P | | | | 300 | | | - T- | | |
| | att | | aat | atc | acc | att | | aga | ata | aca | aaa | | tica | aac | aaσ | сса | 1078 |
| | Ile | | | | | | | | | | | | | | | | |
| | 305 | о <u>т</u> у | 11011 | | **** | 310 | | 9 | | | 315 | | | | | 320 | |
| | gat | aa+ | +++ | aat | ana | | gga | tct | caa | gga | | tat | act | ttt | αca | | 1126 |
| 510 | yaı | 990 | | gut | ugu | 000 | 994 | | | | | | | | 504 | | |

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/534,995

DATE: 07/24/2001 TIME: 10:56:17

Input Set : A:\021314310.txt

Output Set: N:\CRF3\07242001\I534995.raw

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:823 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 L:853 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8